

WEST Search History

DATE: Wednesday, March 09, 2005

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L25	L24 and ((different or unique or individual or respective) with (spatial\$4 with (sensitive\$4 or distribution)))	10
<input type="checkbox"/>	L24	L23 and (parallel)	13
<input type="checkbox"/>	L23	L22 and (base or basis and Gaussian or wavelet or wave-let or threshold\$4 or thresh-hold\$4 or cutoff or cut-off or "cut off")	13
<input type="checkbox"/>	L22	L21 and (singular or value or decomposition or (least with square\$2) or eigenvalue or eigen-value or eigenvector or eigen-vectors or pseudoinvers\$4 or pseudo-invers\$4)	15
<input type="checkbox"/>	L21	L20 and (condition\$4 or scal\$4 or weight\$4)	16
<input type="checkbox"/>	L20	L19 and (image or imaging or imaged)	16
<input type="checkbox"/>	L19	L18 and (direction or axis or axes)	16
<input type="checkbox"/>	L18	L17 and (spatial\$4 with (sensitive\$4 or distribution))	16
<input type="checkbox"/>	L17	L16 and (select\$4 or choos\$4 od determin\$4)	22
<input type="checkbox"/>	L16	L15 and (Fourier or ft or transform\$4 or transformation)	24
<input type="checkbox"/>	L15	L14 and (function\$4)	24
<input type="checkbox"/>	L14	L13 and ((gradient or phase or slice) with (modulat\$4))	26
<input type="checkbox"/>	L13	L12 and (receive\$4 or detect\$4 or sens\$4 or tranceiv\$4 or transceiv\$4)	50
<input type="checkbox"/>	L12	L11 and ((gradient or phase or slice) with encod\$4)	50
<input type="checkbox"/>	L11	L10 and ("multi" or multiplying or multiplied or multiple)	51
<input type="checkbox"/>	L10	L9 and (invert\$4 or inversion or alternat\$4 or opposite or revers\$4)	54
<input type="checkbox"/>	L9	L8 and (modulat\$4)	61
<input type="checkbox"/>	L8	L7 and (block\$3 or group or "set" or "subset" or "sub-block" or "sub-sampl\$4" or "sub-set")	114
<input type="checkbox"/>	L7	L6 and (spatial\$4)	118
<input type="checkbox"/>	L6	L5 and (k-space or kspace or "k sapce" or "kx" or "ky" or "kz" or raw)	127
<input type="checkbox"/>	L5	L4 and (encod\$4)	241
<input type="checkbox"/>	L4	L3 and (matrix or ((two or "2")with dimension\$5 with array))	393
<input type="checkbox"/>	L3	L2 and (coil with (sensitive\$4 or distribution))	1848
<input type="checkbox"/>	L2	L1 and (rf or (radio adj frequency) or radio-frequency or radiofrequency)	28026
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	198650

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 13 of 13 returned.

☐ 1. Document ID: US 20040155652 A1

Using default format because multiple data bases are involved.

L23: Entry 1 of 13

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155652 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sodickson, Daniel K.	Newton	MA	US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	New D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	-------

☐ 2. Document ID: US 20030076099 A1

L23: Entry 2 of 13

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030076099 A1

TITLE: Reduced signal to noise ratio array coil image

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hajnal, Joseph V.	London		GB	
Bydder, Mark	London		GB	
Larkman, David J.	London		GB	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INNO	Draw U.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 3. Document ID: US 20030030437 A1

L23: Entry 3 of 13

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030030437

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030030437 A1

TITLE: Magnetic resonance imaging using smash

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bydder, Mark	Ealing		GB	
Hajnal, Joseph V.	London		GB	
Larkman, David J.	London		GB	

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INNO	Draw U.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 4. Document ID: US 20020158632 A1

L23: Entry 4 of 13

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020158632

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020158632 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sodickson MD Ph.D., Daniel K.	Cambridge	MA	US	

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INNO	Draw U.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 5. Document ID: US 20020156362 A1

L23: Entry 5 of 13

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156362
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020156362 A1

TITLE: Concurrent MRI of multiple objects

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bock, Nicholas A.	London		CA	
Henkelman, R. Mark	Toronto		CA	

US-CL-CURRENT: 600/410; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 6. Document ID: US 6841998 B1

L23: Entry 6 of 13

File: USPT

Jan 11, 2005

US-PAT-NO: 6841998
DOCUMENT-IDENTIFIER: US 6841998 B1

TITLE: Magnetic resonance imaging method and apparatus employing partial parallel acquisition, wherein each coil produces a complete k-space datasheet

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Griswold; Mark	97318 Kitzingen			DE

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 7. Document ID: US 6717406 B2

L23: Entry 7 of 13

File: USPT

Apr 6, 2004

US-PAT-NO: 6717406
DOCUMENT-IDENTIFIER: US 6717406 B2

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Sodickson; Daniel K.

Newton MA

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	--------

☐ 8. Document ID: US 6549799 B2

L23: Entry 8 of 13

File: USPT

Apr 15, 2003

US-PAT-NO: 6549799

DOCUMENT-IDENTIFIER: US 6549799 B2

TITLE: Concurrent MRI of multiple objects

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bock; Nicholas A.	London			CA
Henkelman; R. Mark	Toronto			CA

US-CL-CURRENT: 600/422; 324/307, 324/309, 600/410, 600/411

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	--------

☐ 9. Document ID: US 6400151 B1

L23: Entry 9 of 13

File: USPT

Jun 4, 2002

US-PAT-NO: 6400151

DOCUMENT-IDENTIFIER: US 6400151 B1

TITLE: Method and apparatus for the acquisition of data for magnetic resonance imaging

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haase; Axel	97222 Rimpf			DE
Jakob; Peter M.	97074 Wurzburg			DE
Hillenbrand; Claudia	97720 Nudlingen			DE
Hahn; Dietbert	97273 Kurnach			DE

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	--------

☐ 10. Document ID: US 6366092 B1

L23: Entry 10 of 13

File: USPT

Apr 2, 2002

US-PAT-NO: 6366092

DOCUMENT-IDENTIFIER: US 6366092 B1

TITLE: Magnetic resonance imaging

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ehnholm; Gosta J	Helsinki			FI
Young; Ian Robert	Marlborough			GB

US-CL-CURRENT: 324/309; 324/300, 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Draw	Draw
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	------

☐ 11. Document ID: US 6289232 B1

L23: Entry 11 of 13

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jakob; Peter M.	Brookline Village	MA		
Sodickson; Daniel K.	Cambridge	MA		
Griswold; Mark	Brookline	MA		

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Draw	Draw
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	------

☐ 12. Document ID: US 5910728 A

L23: Entry 12 of 13

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging
with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sodickson; Daniel Kevin	Cambridge	MA		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	--------

☐ 13. Document ID: US 5488299 A

L23: Entry 13 of 13

File: USPT

Jan 30, 1996

US-PAT-NO: 5488299

DOCUMENT-IDENTIFIER: US 5488299 A

TITLE: Nuclear magnetic resonance imaging with improved image quality and operation efficiency

DATE-ISSUED: January 30, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kondo; Masafumi	Tochigi			JP
Kawamoto; Hiromi	Tochigi			JP

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	--------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Term	Documents
BASE	3661807
BASIS	1117532
BASES	396130
BASIS	1117532
BASE	3661807
BASES	396130
GAUSSIAN	35079
GAUSSIANS	719
WAVELET	9810
WAVELETS	3137
WAVE-LET	28

(L22 AND (BASE OR BASIS AND GAUSSIAN OR WAVELET OR WAVE-LET OR THRESHOLD\$4 OR THRESH-HOLD\$4 OR CUTOFF OR CUT-OFF OR "CUT OFF")).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	13
--	----

There are more results than shown above. Click here to view the entire set.

Display Format:

Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)
[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040155652 A1

Using default format because multiple data bases are involved.

L25: Entry 1 of 10

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155652 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sodickson, Daniel K.	Newton	MA	US	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 2. Document ID: US 20030076099 A1

L25: Entry 2 of 10

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030076099

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030076099 A1

TITLE: Reduced signal to noise ratio array coil image

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hajnal, Joseph V.	London		GB	
Bydder, Mark	London		GB	
Larkman, David J.	London		GB	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 3. Document ID: US 20020158632 A1

L25: Entry 3 of 10

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020158632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020158632 A1

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sodickson MD Ph.D., Daniel K.	Cambridge	MA	US	

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 4. Document ID: US 20020156362 A1

L25: Entry 4 of 10

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156362
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020156362 A1

TITLE: Concurrent MRI of multiple objects

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bock, Nicholas A.	London		CA	
Henkelman, R. Mark	Toronto		CA	

US-CL-CURRENT: 600/410; 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D.
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 5. Document ID: US 6717406 B2

L25: Entry 5 of 10

File: USPT

Apr 6, 2004

US-PAT-NO: 6717406
DOCUMENT-IDENTIFIER: US 6717406 B2

TITLE: Parallel magnetic resonance imaging techniques using radiofrequency coil arrays

DATE-ISSUED: April 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sodickson; Daniel K.	Newton	MA		

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	------

☐ 6. Document ID: US 6549799 B2

L25: Entry 6 of 10

File: USPT

Apr 15, 2003

US-PAT-NO: 6549799

DOCUMENT-IDENTIFIER: US 6549799 B2

TITLE: Concurrent MRI of multiple objects

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bock; Nicholas A.	London			CA
Henkelman; R. Mark	Toronto			CA

US-CL-CURRENT: 600/422; 324/307, 324/309, 600/410, 600/411

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	------

☐ 7. Document ID: US 6400151 B1

L25: Entry 7 of 10

File: USPT

Jun 4, 2002

US-PAT-NO: 6400151

DOCUMENT-IDENTIFIER: US 6400151 B1

TITLE: Method and apparatus for the acquisition of data for magnetic resonance imaging

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haase; Axel	97222 Rimpar			DE
Jakob; Peter M.	97074 Wurzburg			DE
Hillenbrand; Claudia	97720 Nudlingen			DE

Hahn; Dietbert

97273 Kurnach

DE

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--------	----------	----------

☐ 8. Document ID: US 6366092 B1

L25: Entry 8 of 10

File: USPT

Apr 2, 2002

US-PAT-NO: 6366092

DOCUMENT-IDENTIFIER: US 6366092 B1

TITLE: Magnetic resonance imaging

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ehnholm; Gosta J	Helsinki			FI
Young; Ian Robert	Marlborough			GB

US-CL-CURRENT: 324/309; 324/300, 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--------	----------	----------

☐ 9. Document ID: US 6289232 B1

L25: Entry 9 of 10

File: USPT

Sep 11, 2001

US-PAT-NO: 6289232

DOCUMENT-IDENTIFIER: US 6289232 B1

TITLE: Coil array autocalibration MR imaging

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jakob; Peter M.	Brookline Village	MA		
Sodickson; Daniel K.	Cambridge	MA		
Griswold; Mark	Brookline	MA		

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/322, 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--------	----------	----------

☐ 10. Document ID: US 5910728 A

L25: Entry 10 of 10

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging
with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sodickson; Daniel Kevin	Cambridge	MA		

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	--------	----------	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Term	Documents
DIFFERENT	4413394
DIFFERENTS	272
UNIQUE	587857
UNIQUES	100
INDIVIUAL	131
INDIVIUALS	10
RESPECTIVE	2793056
RESPECTIVES	386
DISTRIBUTION	1173729
DISTRIBUTIONS	74185
SPATIAL\$4	0
(L24 AND ((DIFFERENT OR UNIQUE OR INDIVIUAL OR RESPECTIVE) WITH (SPATIAL\$4 WITH (SENSITIV\$4 OR DISTRIBUTION)))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10

There are more results than shown above. [Click here to view the entire set.](#)

Display Format:

[Previous Page](#)
[Next Page](#)
[Go to Doc#](#)